



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

Brace et al.

Serial No.: 10/645,365

Filed: August 21, 2003

Confirmation No.: 7430

Atty. File No.: 41992-00627

For: " IDENTIFICATION AND  
TRACKING OF MOVING OBJECTS IN  
DETECTED SYNTHETIC APERTURE  
IMAGERY"

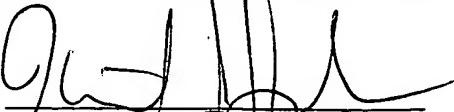
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to Applicant's duty of disclosure under 37 CFR § 1.56 and 37 CFR §§ 1.97-1.98, Applicant hereby provides a copy of each of the documents identified on the enclosed PTO Form 1449, although Applicant does not admit that any of such documents, alone or in any combination, is considered to be material to patentability as defined in 37 CFR § 1.56(b). Moreover, the inclusion of these documents is not to be construed as an admission by Applicant that each such document is prior art as to the above-identified application.

Respectfully submitted,

MARSH FISCHMANN & BREYFOGLE LLP

By: 

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Date: January 30, 2004

CERTIFICATE OF MAILING	
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO COMMISSIONER FOR PATENTS, P.O. BOX 1450, ALEXANDRIA, VA 22313-1450 ON <u>JANUARY 30, 2004</u> .	
MARSH FISCHMANN & BREYFOGLE LLP	
BY:	 DAXMARA SANCHEZ

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>			ATTY DOCKET NO. 41992-00627	SERIAL NO. 10/645,365
			APPLICANT(S) Brace et al.	
			FILING DATE August 21, 2003	GROUP Not Yet Assigned

FEB 09 2004  
U.S. PATENT & TRADEMARK OFFICE  
OIE  
125

#### U.S. PATENT DOCUMENTS

EXAMINER INITIAL	TRADEMARK OFFICE	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
		1. 3,614,778	10/19/71	GRAHAM ET AL.	343	5	
		2. 3,735,400	05/22/73	SLETTEN ET AL.	343	7.7	
		3. 3,787,840	01/22/74	DOTSON	343	7.7	
		4. 3,787,849	01/22/74	SLETTEN ET AL.	343	7.7	
		5. 3,975,734	08/17/76	PAYNE	343	7.7	
		6. 4,052,889	10/11/77	MUCCIARDI ET AL.	73	67.8	
		7. 4,053,885	10/11/77	TOMITA ET AL.	343	7.7	
		8. 4,086,590	04/25/78	GOGGINS, JR.	343	5	
		9. 4,164,788	08/14/79	JAIN	364	515	
		10. 4,217,583	08/12/80	HILLER ET AL.	343	7.7	
		11. 4,241,350	12/23/80	UFFELMAN	343	5	

#### FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO

#### OTHER DOCUMENTS *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	A.	Rafael C. Gonzalez & Paul Wintz, "DIGITAL IMAGE PROCESSING", 1997, 5 Pages (Pgs. 16-19)
	B.	Chapter 7 Image Processing Basics, 7.3 Visual Phenomena, 4 Pages (Pgs 429-432).

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12.	4,559,537	12/17/85	PERASON, JR. ET AL.	343	7	
13.	4,608,566	08/26/86	ENNIS ET AL.	343	5	
14.	4,655,228	04/07/87	SHIMURA ET AL.	128	660	
15.	4,675,677	06/23/87	VON MAYDELL ET AL.	342	25	
16.	4,761,545	08/02/88	MARSHALL ET AL.	250	291	
17.	4,829,306	05/09/89	GJESSING ET AL.	342	159	
18.	4,858,124	08/15/89	LIZZI ET AL.	364	413	
19.	4,864,307	09/05/89	POTAGE ET AL.	342	192	
20.	4,992,797	02/12/91	GJESSING ET AL.	342	192	
21.	5,047,968	09/10/91	CARRINGTON ET AL.	364	574	
22.	5,068,664	11/26/91	APPRIOU ET AL.	342	90	

**FOREIGN PATENT DOCUMENTS**

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						YES	NO

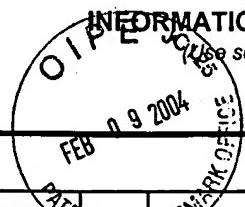
**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

C.	Bruce P. Boger et al., "THE QUEFRENCY ALANYSIS OF TIME SERIES FOR ECHOES: CEPSTRUM Pseudo-AUTOCOVARIANCE, CROSS-CEPSTRUM AND SAPHE CRACKING" Brown University, June 11-14, 1962, Pgs. 209-243
D.	Alan V. Oppenheim et al., "THE IMPORTANCE OF PHASE IN SIGNALS", 1981, Pgs. 529-541.

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23.		<b>5,068,666</b>	11/26/91	VOLES	342	192	
24.		<b>5,072,314</b>	12/10/91	CHANG	359	559	
25.		<b>5,122,803</b>	06/19/92	STANN ET AL.	342	25	
26.		<b>5,159,474</b>	10/27/92	FRANKE ET AL.	359	29	
27.		<b>5,339,080</b>	08/16/94	STEINWAY ET AL.	342	22	
28.		<b>5,345,242</b>	09/06/94	ROBERTS ET AL.	342	159	
29.		<b>5,446,461</b>	08/29/95	FRAZIER	342	22	
30.		<b>5,451,961</b>	09/19/95	RUBIN ET AL.	342	159	
31.		<b>5,469,176</b>	11/21/95	SANDLER ET AL.	342	375	
32.		<b>5,502,444</b>	03/26/96	KOHLBERG	342	22	
33.		<b>5,539,412</b>	07/23/96	MENDELSON	342	192	

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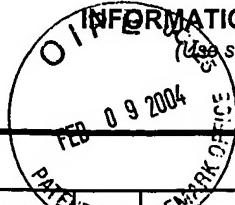
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

E.	Liberty Instruments, Inc., "REFLECTING ON ECHOES AND THE CEPSTRUM: A LOOK AT QUEFRENCY ANALYSIS AND HEARING", 01/24/00, 11 Pages (1-10 and 1 of 1)
F.	Azriel Rosenfeld et al., "DIGITAL PICTURE PROCESSING" Second Edition Vol. 1, 1982, 7 Pages (Pgs. 126-131)

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34.	<b>5,546,084</b>	08/13/96	HINDMAN	342	25	
35.	<b>5,561,431</b>	10/01/96	PEELE ET AL.	342	90	
36.	<b>5,563,601</b>	10/08/96	CATALDO	342	25	
37.	<b>5,563,604</b>	10/08/96	BRANDAO ET AL.	342	159	
38.	<b>5,594,450</b>	01/14/97	SCHOBER	342	159	
39.	<b>5,612,700</b>	03/18/97	TUCKER	342	90	
40.	<b>5,614,907</b>	03/25/97	KREITMAIR-STECK ETAL.	342	25	
41.	<b>5,659,318</b>	08/19/97	MADSEN ET AL.	342	25	
42.	<b>5,675,468</b>	10/07/97	CHANG	361	119	
43.	<b>5,675,663</b>	10/07/97	KOERNER ET AL.	382	181	
44.	<b>5,721,694</b>	02/24/98	GRAUPE	364	574	

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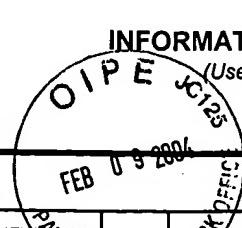
**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

G.	William H. Press et al., "NUMERICAL RECIPES IN FORTRAN", The Art of scientific Computing Second Edition, Cambridge University, Pgs. 584-599
H.	Carrara, Walter G., "SPOTLIGHT SYNTHETIC APPERTURE RADAR", Artech House, Inc. 1995, Pgs. 237-243

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		45. 5,729,465	03/17/98	BARBARESCO	364	485	
		46. 5,780,775	07/14/98	YU	174	135	
		47. 5,790,702	08/14/98	YOSHIMURA	382	209	
		48. 5,848,193	12/08/98	GARCIA	382	232	
		49. 5,867,118	02/02/99	MCCOY ET AL.	342	90	
		50. 5,909,190	06/01/99	LO ET AL.	342	159	
		51. 5,910,785	06/08/99	NORMANT	342	25	
		52. 5,936,552	08/10/99	WICHGERS ET AL.	340	963	
		53. 5,959,566	09/28/99	PETTY	342	25	
		54. 5,960,097	09/28/99	PFEIFFER ET AL.	382	103	
		55. 6,011,625	01/04/00	GLASS	356	357	

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							YES	NO

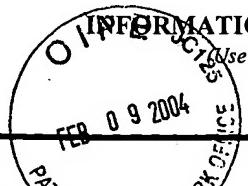
**OTHER DOCUMENTS** *(Including Author, Title, Date, Pertinent Pages, Etc.)*

	I.	4.2 INVERSE IMAGE FILTERING, Author Unknown (XP-002154117)
	J.	Bruce Chapman, "SAR INTERFEROMETRY AND SURFACE CHANGE DETECTION", II. Basic Principles of SAR Interferometry, 04/29/03, Pgs. 1-9

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Docket Number (Optional)

41992-00627

Application Number

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Applicant(s)

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Group Art Unit

Not Yet Assigned

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*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
56.	6,038,337	03/14/00	LAWRENCE ET AL.	382	156	
57.	6,046,695	04/04/00	POEHLER ET AL.	342	25	
58.	6,070,461	06/06/00	GJESSING ET AL.	73	170.15	
59.	6,150,972	11/21/00	BICKEL ET AL.	342	25	
60.	6,173,066	01/09/01	PEURACH ET AL.	382	103	
61.	6,252,754	06/26/01	CHAUDHRY	361	111	
62.	6,288,776	09/11/01	CAHILL ET AL.	356	5.1	
63.	6,333,986	12/25/01	PETTY	382	103	
64.	6,337,654	01/08/02	RICHARDSON ET AL.	342	90	
65.	6,347,264	02/12/02	NICOSIA T AL.	701	16	
66.	6,377,206	04/23/02	PETTY	342	159	

**FOREIGN PATENT DOCUMENTS**

REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

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				Applicant(s) <b>Brace et al.</b>		Filing Date <b>August 21, 2003</b>		Group Art Unit <b>Not Yet Assigned</b>
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
	67.	6,384,766	05/07/02	ULANDER	342	25		
	68.	6,441,376	08/27/02	GLASS ET AL.	250	342		
	69.	6,492,932	12/10/02	JIN ET AL.	342	25		
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